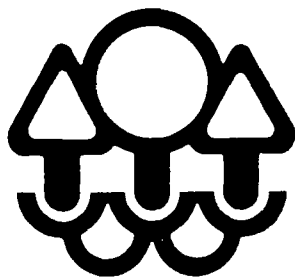




347801



Minnesota Pollution Control Agency

January 31, 1986

PRELIMINARY ASSESSMENT EXECUTIVE SUMMARY

Aligned Fiber Composites, Inc. (AFC, Inc.)
MND062859038

Situation

Aligned Fiber Composites, Inc. (AFC, Inc.), located one mile south of Chatfield, Fillmore County, Minnesota, manufactures structural fiberglass materials such as fence posts and industrial gratings. Fiberglass is formed at the plant by combining glass with polyester and vinyl ester resins, then adding a catalyst to speed the reactive resin hardening process, resulting in the formation of an inert, polymerized material. As the final products are shaped and smoothed, contact cooling water carries away the small fiberglass trimmings to three unlined settling lagoons. The lagoons discharge into an unnamed creek and ditch which flow to the North Branch of the Root River about 2/3-mile west of the site.

The concern of the Minnesota Pollution Control Agency (MPCA) staff is that the fiberglass trimmings may not be fully reacted and in a solid state. The resins used in the manufacturing process may have the potential to be hazardous, depending on the type of resins used. In addition, it is believed that acetone is used in the process. Both the resins and the acetone may be present within the contact cooling water when discharged to the lagoons.

The MPCA approved the co-disposal of the dehydrated settling lagoon sludge at the Olmstead County Sanitary Landfill in October of 1984. All other wastes from the AFC, Inc., facility (larger fiberglass waste materials, reacted polyester resins, and reacted coatings) have routinely been taken directly to a landfill for co-disposal.

No known hazardous waste has been discovered at the site, but the potential does exist. With the potential disposal of hazardous resins and acetone to the unlined lagoons, an approximate population of 2,530 within a 3-mile radius potentially could be affected. Ground water and surface water contamination is presently not known to exist.

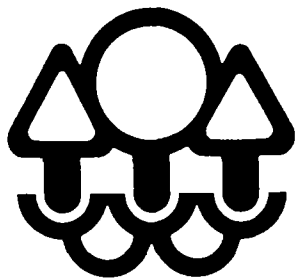
Phone: _____

1935 West County Road B2, Roseville, Minnesota 55113-2785

Regional Offices • Duluth/Brainerd/Detroit Lakes/Marshall/Rochester

Equal Opportunity Employer





Minnesota Pollution Control Agency

Med?
received
2/30/86
11-28-86

January 31, 1986

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MND062859038

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Inspection Priority Recommendation

The MPCA staff have conducted a Preliminary Assessment for aligned Fiber Composites, Inc. (AFC, Inc.). As a result, the Agency staff believe that the site represents a low potential hazard to the environment because ground water contamination has not been verified. In conclusion, the MPCA staff hereby recommend that the site be assigned a low priority for inspection because there is no evidence of ground water contamination.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
MN D062859038

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Aligned Fiber Composites, Inc. (AFC, Inc.)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Highway 52 South			
03 CITY Chatfield	04 STATE MN	05 ZIP CODE 55923	06 COUNTY Fillmore	07 COUNTY CODE 045	08 CONG DIST 01
09 COORDINATES LATITUDE 43°49'58.0"		LONGITUDE -93°19'54.2"		Chatfield 7.5 min. (1974)	
10 DIRECTIONS TO SITE (Starting from nearest public road) Southeast of the City of Chatfield on Highway 52 approximately 1 mile. Building located on south side of Hwy 52.					

III. RESPONSIBLE PARTIES

01 OWNER (If known) Conrad Fingerson		02 STREET (Business, mailing, residential) Highway 52 South			
03 CITY Chatfield	04 STATE MN	05 ZIP CODE 55923	06 TELEPHONE NUMBER (507) 867-3479		
07 OPERATOR (If known and different from owner) Same		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: 05/20/81 MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (RCRA 103(c)) DATE RECEIVED: / / MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE / / MONTH DAY YEAR <input checked="" type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: (Specify) CONTRACTOR NAME(S):			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR ENDING YEAR <input checked="" type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Fiberglass trimmings + rovings Acetone } toxic, soluble Reacted polyester resins Reacted coatings					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Ground water (population/environment) Surface water (environment)					

V. PRIORITY ASSESSMENT

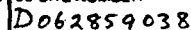
Potential Hazard: Low

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Doug Robohm	02 OF (Agency/Organization) MPCA/Solid + Hazardous Waste Div.	03 TELEPHONE NUMBER (612) 296-7352
04 PERSON RESPONSIBLE FOR ASSESSMENT Shawn Ruotsinoja	05 AGENCY MPCA	06 ORGANIZATION Solid + Hazardous Waste Division
	07 TELEPHONE NUMBER (612) 296-7375	08 DATE 01/31/86 MONTH DAY YEAR





POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
MN D062859038

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 2530 04 NARRATIVE DESCRIPTION

- Fines, stored in two unlined ponds
- Population of City of Chetfield = 2055
- 125 additional dwellings in 3-mile radius from site; pop = 475
- Total population potentially affected = 2530

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 0 04 NARRATIVE DESCRIPTION

- The North Branch of the Root River is located approximately 2/3 of a mile to the west of the site. It is not a source for drinking water.
- Ponds discharge to an unnamed creek + ditch which flow to the N. Branch of the Root River.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

Unknown

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

Unknown

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

N/A

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 2 acres (estimate) 04 NARRATIVE DESCRIPTION
(Acres)

See A. Groundwater Contamination

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2530 04 NARRATIVE DESCRIPTION

See A. Groundwater contamination

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Unknown

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

MN D062859038

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

Unknown

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

Unknown

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

Unknown

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/leaking liquids/leaking drums)

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

Storage lagoons unlined

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

Unknown

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

N/A

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 2530

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

MPCA { AFC NPDES Permit
files { Lists of questionable Industrial waste Disposal Practices of Concern to DWQ
Request for Codisposal of a Nonhazardous Industrial Waste (May 15, 1981)

AFC, Inc.
Chatfield, Minnesota quad
Fillmore County
7.5 Minute
1974

AFC, Inc.

